

FORM 110

Docket Ref. **C-39,959****INDIVIDUAL ASSIGNMENT AND INVENTOR'S DECLARATION**  
(with Priority Rights)

I verily believe I am/we are the original, first and sole/joint inventor(s) of the subject matter which is embraced by and for which a patent is sought on the invention entitled:

**BALLISTIC-RESISTANT ARTICLE AND PROCESS FOR MAKING THE SAME**

which invention was made and invented by me/us out of and in the course of my/our employment with my/our respective employers as stated below my/our name(s). I/we acknowledge that I/we hold the invention and all patent and other rights and powers obtainable or exercisable in respect thereof in trust for our respective employers. As trustee(s), and for good and valuable consideration and/or the remuneration received for my/our work, I/we sell, assign and transfer unto:

**THE DOW CHEMICAL COMPANY**  
2030 Dow Center, Abbott Road,  
Midland, Michigan 48640  
United States of America

a corporation organized and existing under the laws of the State of DELAWARE, U.S.A.

(hereinafter referred to as the "Assignee");

my/our entire right, title and interest throughout the world, in and to the invention and all rights and powers to make applications for Letters Patent in its own name, or in the name of its designee (or nominee(s)); and all rights and powers to file any corresponding or equivalent applications in any and all countries, including all rights to claim priority under all International Convention(s) and Treaties in the name of Assignee, and do hereby authorize Assignee or its designee to insert here the

Application No. 07/857,000

Filing Date March 25, 1992

in country United States of America

of this application, when received, on which the priority will be based; and in and to any Letters Patent that may be issued for the invention in any and all countries. I/we do hereby agree to assist Assignee in the prosecution of the application(s) and in any interference, conflict, opposition or litigation which may arise involving the invention or the patent or patents thereon, and to execute for any and all countries any document relating to applications derived from, corresponding to or equivalent to the above identified application as Assignee may request; and I/we do hereby authorize Assignee or its designee (or nominee(s)) to insert here any corresponding equivalent

Application No. \_\_\_\_\_

Filing Date \_\_\_\_\_

in country \_\_\_\_\_

to the above Priority application of any country where that country's patent property must be identified and entered hereinabove for recordal of this Assignment. I/we authorize Assignee or its designee to translate this Assignment into all languages necessary; and we request that any such Letters Patent be issued to Assignee; and consent to the recordal of this Assignment, or a Notarial True Copy thereof, being under covenant not only that I/we have full power to make the same, but also that such assigned rights are not encumbered by any grant, license, or other right heretofore given.

Subscribed and Declared by me/us:

At Midland, Michigan 48640 U.S.A.

this 25<sup>th</sup> day of March 19 92

Signature David A. Dalman

Full Name: **David A. Dalman**

Residence: **1907 Sylvan Lane  
Midland, Michigan 48640**

Country: **United States of America**

Citizenship: **United States of America**

P.O. Address: **Same as Residence**

Employed By: **The Dow Chemical Company**

Of Country: **United States of America**

At Midland, Michigan 48640 U.S.A.

this 25<sup>th</sup> day of March 19 92

Signature Charles P. Weber, Jr.

Full Name: **Charles P. Weber, Jr.**

Residence: **1104 Martha Drive  
Monroe, North Carolina 28112**

Country: **United States of America**

Citizenship: **United States of America**

P.O. Address: **Same as Residence**

Employed By: **Integrated Textile Systems, Inc.**

Of Country: **United States of America**

At Midland, Michigan 48640 U.S.A.

this 25 day of March 19 92

Signature Gregory J. LaCasse

Full Name: **Gregory J. LaCasse**

Residence: **1421 Meadowbrook Road  
Lancaster, Pennsylvania 17603**

Country: **United States of America**

Citizenship: **United States of America**

P.O. Address: **Same as Residence**

Employed By: **Integrated Textile Systems, Inc.**

Of Country: **United States of America**

At \_\_\_\_\_

this \_\_\_\_\_ day of \_\_\_\_\_ 19 \_\_\_\_\_

Signature \_\_\_\_\_

Full Name: \_\_\_\_\_

Residence: \_\_\_\_\_

Country: \_\_\_\_\_

Citizenship: \_\_\_\_\_

P.O. Address: \_\_\_\_\_

Employed By: \_\_\_\_\_

Of Country: \_\_\_\_\_

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## ASSIGNMENT

**(TRANSFER)**

a corporation organized and existing under the laws of the State of Delaware, United States of America do hereby claim and declare that we are the recorded owner of the following Patent Application(s) or Letters Patent(s) and other rights and powers obtainable or exercisable in respect thereof as numbered in United States:

(SEE ATTACHED APPENDIX)

We do hereby, for good and valuable consideration received, sell, assign and transfer unto:

**ASSIGNEE:** TOYOBO CO., LTD.  
of: 2-8, Dojimahama 2 Chome, Kita-ku  
Osaka 530  
JAPAN

a corporation organized and existing under the laws of Japan, right, title and interest in and to the said Patent Application(s) or Letters Patent(s), and consent to the recordal of this Assignment.

## ASSIGNOR

## ASSIGNEE

**Subscribed and Sworn by us:**

**Accepted by us:**

At Midland, Michigan 48674, USA

At Osaka 530, Japan

this 19 day of September 1997

this 28 day of October 1997

**THE DOW CHEMICAL COMPANY**

**TOYOBBO CO., LTD.**

By

**Stephen S. Grace**  
**General Patent Counsel**

By

**Yasuhiro Oishi**  
Executive Vice President

CORP.  
SEAL

CORP.  
SEAL

## APPENDIX

Country	Serial No.	Filing Date	Inventors	Title
United States	08/315,169	September 29, 1994	Donald J. Perettie; Timothy M. McCarthy; Peter E. Pierini	FLEXIBLE MAGNETIC RECORDING MEDIUM CONTAINING POLYBENZAZOLE POLYMERS
United States	07/857,000	March 25, 1992	David A. Dalman; Charles P. Weber, Jr.; Gregory J. La Casse	BALLISTIC-RESISTANT ARTICLE AND PROCESS FOR MAKING THE SAME
United States	08/793,038	August 10, 1995	Katsuya Tani; Ichiro Iba; Timothy L. Faley; Michael E. Mills; Ira M. Thumma	PROCESS FOR PREPARING POLYBENZAZOLE FILAMENTS AND FIBER
United States	08/491,832	July 10, 1995	Kazuyuki Yabuki	LIGHT WEIGHT TIRE
United States	08/668,784	June 24, 1996	Michael E. Mills; Willard Alexander; Timothy L. Faley; Chieh-Chun Chau	PROCESS FOR THE PREPARATION OF POLYBENZOXAZOLE AND POLYBENZOTHIAZOLE FILAMENTS AND FIBERS
United States	08/793,039	August 2, 1995	Kazuyuki Yabuki	PROCESS OF MAKING POLYBENZAZOLE NONWOVEN FABRIC